



Push-pull Handheld Automatic Screw Fastening Machine

RSM-SFM-01



Feature

- ▶ Worm gear feeding, small size, low noise & light weight. Space-saving for bench placement; built-in handles for easy moving.
- ▶ Automatic screw sorting and feeding, with defective screws automatically screened out. It features automatic material replenishment and an alarm function when material runs out.
- ▶ Torque detection controls feeding: one screw per fastening. Intelligent feed avoids double delivery.
- ▶ No feeding in case of screw slipping. If the torque fails to reach the set value during fastening, the machine stops screw feeding to prevent bit jamming.
- ▶ High stability with minimal jamming. Even if jamming occurs due to defective parts, it can be cleared within seconds by ordinary operators.
- ▶ High efficiency, 0.8 seconds per screw. No manual picking, just align and press.
- ▶ Cuts 1-2 workers for screw driving. Semi-auto operation reduces labor and boosts efficiency.
- ▶ Premium treated hardware & original imported electronics for reliable performance.

Specification

Model	RSM-SFM-01
Control System	Self-developed control system
Feeding Distance	1-3 m
Signal Type	Built-in detection signal of electric screwdriver
Screw slip detection	Standard
Alarm	Sound & light alarm
Loading Mode	Automatic worm gear feeding
Feeding Mode	Air-blowing type
Feeding speed	0.6-1 s/pc
Fastening speed	0.7-1 s/pc
Screw capacity	~2000 pcs (subject to screw size)



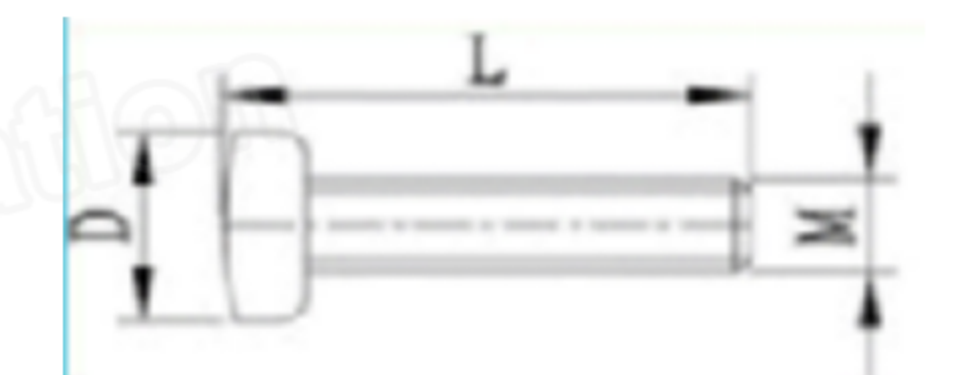
Air	0.5-0.6 MPa
Noise	<60 dB
Power	60W
Screwdriver	Brushless high-speed self-control type
Voltage	AC220
Operating Voltage	Main Board DC24V
Weight	15KG
Dimension	420mm×235mm×285mm

Applicable Screw Types

Screw Sizes	M1.4	M1.7	M2.0	M2.3	M2.6	M3.0	M3.5	M4.0	Other Sizes
M	1.3-1.5	1.6-1.8	1.9-2.1	2.2~2.4	2.5~2.7	2.9~3.2	3.4~3.6	3.9~4.1	Customizable
D	<2.8 mm	<3.2mm	<3.6 mm	<4.0 mm	<4.3 mm	<5.3 mm	<6.0 mm	<6.8mm	
L	<16 mm	<16 mm	<16 mm	<16 mm	<16 mm	<16 mm	<16 mm	<16 mm	
L/D	>1.5 mm	>1.5 mm	>1.5 mm	>1.5 mm	>1.5 mm	>1.5 mm	>1.5 mm	>1.5 mm	

Application Range:

- 1.Applicable screw head types: Slotted, Phillips, Tri-wing, Torx, Hex socket, H-type. (Note: Push-pull feeding is not available for slotted and H-type screws.)
- 2.Applicable screw surface finishes: Nickel plating, black oxide, copper plating, color zinc plating, bright zinc plating.
- 3.Screw materials: Iron (push-pull / semi push-pull / press-down); Copper, aluminum, stainless steel (semi push-pull / press-down)
- 4.Workpiece materials: Plastic, wood, copper, iron, aluminum, etc.
- 5.Applicable industries: Mobile phones, toys, hard drives, keyboards, electrical appliances, communication equipment, electronic processing.



Basic screw requirement: L > 1.3D

Optional Accessories



DS-168

Vertical Bracket For Electric Screwdriver



Resistance arm & base plate